

Data Validation Checklist Semivolatile Organic Analyses

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica – Tampa, FL
 Method: SW-846 8270C Low-Level (PAH)
 Matrix: Soil
 Reviewer: Jane Lindsey
 Concurrence¹: Carol Lovett/Nicole Lancaster

Project No: 15268508.20000
 Job ID.: 680-88767-1
 Associated Samples: Refer to **Attachment A** (Sample Summary)
 Date(s) Collected: 03/26/2013
 Date: 04/10/2013
 Date: 04/24/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ-flag results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Were holding times met (≤7 and 14 days from collection to extraction for aqueous and solid samples, respectively; ≤40 days from extraction to analysis)? If not, then J/UJ-flag sample results. If grossly (2x) exceeded, then flag J/R.	✓				
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?	✓				
8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J-flag sample result.			✓		
9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)?	✓				
10. Were target analytes detected in the method blank?		✓			
11. Were target analytes detected in equipment/rinsate blanks?		✓		PAH were not detected during the analysis of rinsate blank 032613-RB-Shovel (680-88766-23).	
12. Are equipment/rinsate blanks associated with every sample? If	✓			According to the QAPP, a rinsate blank is to be collected after each decontamination event, which	

¹ Independent technical reviewer
 URS Group, Inc.
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Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
no, note in DV report.				occurs once per week per the client. A rinsate blank (032613-RB-Shovel) was collected during the week of 03/25/2013. The rinsate blank was analyzed for PAHs under Test America Job ID 680-88766-2.	
13. Were analytes detected in samples below the blank contamination action level? If yes, U-flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)		✓			
14. Is a field duplicate associated with this Job?	✓			<ul style="list-style-type: none"> CV0022A-CSD (680-88767-2) is a field duplicate of CV0022A-CS (680-88767-1). CV0509C-CSD (680-88767-11) is a field duplicate of CV0509C-CS (680-88767-10). CV0509K-CSD (680-88767-20) is a field duplicate of CV0509K-CS (680-88767-19). 	
15. Was precision deemed acceptable as defined by the project plans?		✓		Refer to Attachment B (Field Duplicate Evaluation)	J
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270C) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? <ul style="list-style-type: none"> Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. An initial calibration is to be associated with each sample analysis. A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument. 	✓			<ul style="list-style-type: none"> Initial Calibration: 04/02/2013, instrument BSMC5973 ICV: 04/02/2013 @ 15:34 CCV: 04/03/2013 @ 11:45 CCV: 04/04/2013 @ 11:50 	
19. Were calibration results within laboratory/project specifications? <ul style="list-style-type: none"> ICAL (Criteria: ≤ 15 mean %RSD with individual CCC %RSD ≤ 30 ($\leq 50\%$ for poor performers), OR $r \geq 0.995$, OR $r^2 \geq 0.99$, and RRF ≥ 0.050 (≥ 0.010 for poor performers)): <ul style="list-style-type: none"> If %RSD > 15 ($> 50\%$ for poor performers), or $r < 0.995$, 		✓		ICV of 04/02/2013 @ 15:34, instrument BSMC5973: <ul style="list-style-type: none"> Pyrene @ -21.4%D (Lab: ≤ 35, Project: ≤ 20), 78.5%R Chrysene @ -23.5%D (Lab: ≤ 35, Project: ≤ 20), 76.5%R Benzo(b)fluoranthene @ -21.1%D (Lab: ≤ 35, 	J

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<p>or $r^2 < 0.995$, then J-flag positive results and UJ-flag non-detects</p> <ul style="list-style-type: none"> If mean RRF < 0.050 (< 0.010 for poor performers), then J-flag positive results and R-flag non-detects ICV and CCV (Criteria: $\leq 20\%D$ ($\leq 50\%$ for poor performers) and $RF \geq 0.050$ (≥ 0.010 for poor performers)): <ul style="list-style-type: none"> If $\%D > 20$ ($> 50\%$ for poor performers), then J-flag positive results and UJ-flag non-detects If $RF < 0.050$ (< 0.010 for poor performers), then UJ-flag non-detected semivolatile target compounds 				<p>Project: ≤ 20), 79%R</p> <ul style="list-style-type: none"> Benzo(a)pyrene @ -24.3%D (Lab: ≤ 35, Project: ≤ 20), 75.5%R <p>A negative bias is indicated by the ICV percent difference and the analytes were detected in all samples, therefore, J flag results for the above-mentioned analytes.</p>	
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J-flag positive results when $\%R > \text{Upper Control Limit (UCL)}$ and J/R-flag results when $\%R < \text{Lower Control Limit (LCL)}$.	✓				
22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects	✓				
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓			<ul style="list-style-type: none"> Prep Batch 136063: 680-88766-21 (Batch sample), MS/MSD Prep Batch 136072: 680-88767-14 (CV0509F-CS), MS/MSD 	
24. Is the MS/MSD parent sample a project-specific sample?	✓	✓			
<p>25. Were MS/MSD recoveries within laboratory/project specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> If the native sample concentration $> 4x$ spiking level, then an evaluation of interference is not possible. If either MS or MSD recovery meets control limits, qualification of data is not warranted. MS and MSD $\%R < 10$: J and R Flag positive and ND results, respectively MS and MSD $\%R > 10$ and $< \text{LCL}$: J-Flag positive and UJ-flag non-detect results MS and MSD $R\% > \text{UCL}$ (or 140): J-Flag positive results 	✓				
<p>26. Were laboratory criteria met for precision during the MS/MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> If the native sample concentration $> 4x$ spiking level, then an evaluation of interference is not possible. 	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> If %RPD > UCL, J-flag positive result and UJ-flag non-detect result. 					
27. Were surrogate recoveries within lab/project specifications? <ul style="list-style-type: none"> If %R <10, then J-flag positive and R-flag non-detect associated sample results If %R >UCL, then J-flag positive results %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results If 1 %R >UCL and 1 %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results 	✓				
28. Were internal standard (IS) results within lab/project specifications? <ul style="list-style-type: none"> If IS area counts are less than 50% of the midpoint calibration standard, then J-flag positive and UJ-flag non-detect associated sample results If IS area counts are greater than 100% of the midpoint calibration standard, then J-flag positive results If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J-flag positive and R-flag non-detect results If retention time of sample's internal standard is not within 30 seconds of the associated calibration standard, R-flag associated data. The chromatographic profile for that sample must be examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met. 	✓				
29. Were lab comments included in report?	✓			Refer to Attachment C (Case Narrative)	
Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the <i>USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review</i> (EPA, October 1999) and <i>USEPA CLP NFG for Low Concentration Organic Methods Data Review</i> (EPA, June 2001). Sample results have been qualified based on the results of the data review process (Attachment D). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.					

Data Validation Checklist (Continued)

DV Flag Definitions:

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- R The sample results are unusable. The analyte may or may not be present in the sample.
- U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
- UJ The analyte was not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A
SAMPLE SUMMARY

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88767-1

Sdg Number: 68088767-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-88767-1	CV0022A-CS	Solid	03/26/2013 0900	03/28/2013 0937
680-88767-2	CV0022A-CSD	Solid	03/26/2013 0900	03/28/2013 0937
680-88767-3	CV0509AB-GS	Solid	03/26/2013 0950	03/28/2013 0937
680-88767-4	CV0509AC-GS	Solid	03/26/2013 0952	03/28/2013 0937
680-88767-5	CV0509AD-GS	Solid	03/26/2013 0954	03/28/2013 0937
680-88767-6	CV0509AE-GS	Solid	03/26/2013 1024	03/28/2013 0937
680-88767-7	CV0509AF-GS	Solid	03/26/2013 1100	03/28/2013 0937
680-88767-8	CV0509A-CS	Solid	03/26/2013 0858	03/28/2013 0937
680-88767-9	CV0509B-CS	Solid	03/26/2013 0914	03/28/2013 0937
680-88767-10	CV0509C-CS	Solid	03/26/2013 0923	03/28/2013 0937
680-88767-11	CV0509C-CSD	Solid	03/26/2013 0925	03/28/2013 0937
680-88767-12	CV0509D-CS	Solid	03/26/2013 0938	03/28/2013 0937
680-88767-13	CV0509E-CS	Solid	03/26/2013 0945	03/28/2013 0937
680-88767-14	CV0509F-CS	Solid	03/26/2013 0955	03/28/2013 0937
680-88767-14MS	CV0509F-CS	Solid	03/26/2013 0955	03/28/2013 0937
680-88767-14MSD	CV0509F-CS	Solid	03/26/2013 0955	03/28/2013 0937
680-88767-15	CV0509G-CS	Solid	03/26/2013 0958	03/28/2013 0937
680-88767-16	CV0509H-CS	Solid	03/26/2013 1005	03/28/2013 0937
680-88767-17	CV0509I-CS	Solid	03/26/2013 1007	03/28/2013 0937
680-88767-18	CV0509J-CS	Solid	03/26/2013 1012	03/28/2013 0937
680-88767-19	CV0509K-CS	Solid	03/26/2013 1018	03/28/2013 0937
680-88767-20	CV0509K-CSD	Solid	03/26/2013 1020	03/28/2013 0937

ATTACHMENT B
FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0022A-CS (680-88767-1)	RL	CV0022A-CSD (680-88767-2)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Acenaphthene	70	J 170	80	J 160	µg/kg	825	NA	10	330	None, absolute difference ≤ 2x Avg RL
Acenaphthylene	48	J 67	76	66	µg/kg	332.5	NA	28	133	None, absolute difference ≤ 2x Avg RL
Anthracene	150	14	290	14	µg/kg	70	64	NA	NA	J/UJ-flag, RPD > 50%
Benzo(a)anthracene	520	13	890	13	µg/kg	65	52	NA	NA	J/UJ-flag, RPD > 50%
Benzo(a)pyrene	460	17	780	17	µg/kg	85	52	NA	NA	J/UJ-flag, RPD > 50%
Benzo(b)fluoranthene	720	20	1400	20	µg/kg	100	64	NA	NA	J/UJ-flag, RPD > 50%
Benzo(g,h,i)perylene	270	33	530	33	µg/kg	165	65	NA	NA	J/UJ-flag, RPD > 50%
Benzo(k)fluoranthene	340	13	460	13	µg/kg	65	30	NA	NA	None, RPD ≤ 50%
Chrysene	600	15	820	15	µg/kg	75	31	NA	NA	None, RPD ≤ 50%
Dibenzo(a,h)anthracene	94	33	140	33	µg/kg	165	NA	46	66	None, absolute difference ≤ 2x Avg RL
Fluoranthene	1000	33	1800	33	µg/kg	165	57	NA	NA	J/UJ-flag, RPD > 50%
Fluorene	40	33	110	33	µg/kg	165	NA	70	66	J/UJ-flag, absolute difference > 2x Avg RL
Indeno(1,2,3-cd)pyrene	280	33	500	33	µg/kg	165	56	NA	NA	J/UJ-flag, RPD > 50%
1-Methylnaphthalene	120	67	230	66	µg/kg	332.5	NA	110	133	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	140	67	240	66	µg/kg	332.5	NA	100	133	None, absolute difference ≤ 2x Avg RL
Naphthalene	180	67	240	66	µg/kg	332.5	NA	60	133	None, absolute difference ≤ 2x Avg RL
Phenanthrene	680	13	1300	13	µg/kg	65	63	NA	NA	J/UJ-flag, RPD > 50%
Pyrene	950	33	1400	33	µg/kg	165	38	NA	NA	None, RPD ≤ 50%

Note: If the analyte was not detected, then the cell was left blank.

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0509C-CS (680-88767-10)	RL	CV0509C-CSD (680-88767-11)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Acenaphthylene	65	49	64	62	µg/kg	277.5	NA	1	111	None, absolute difference ≤ 2x Avg RL
Anthracene	98	10	74	13	µg/kg	57.5	28	NA	NA	None, RPD ≤ 50%
Benzo(a)anthracene	460	9.7	350	12	µg/kg	54.25	27	NA	NA	None, RPD ≤ 50%
Benzo(a)pyrene	380	13	260	16	µg/kg	72.5	38	NA	NA	None, RPD ≤ 50%
Benzo(b)fluoranthene	760	15	500	19	µg/kg	85	41	NA	NA	None, RPD ≤ 50%
Benzo(g,h,i)perylene	310	24	190	31	µg/kg	137.5	48	NA	NA	None, RPD ≤ 50%
Benzo(k)fluoranthene	270	9.7	190	12	µg/kg	54.25	35	NA	NA	None, RPD ≤ 50%
Chrysene	580	11	380	14	µg/kg	62.5	42	NA	NA	None, RPD ≤ 50%
Dibenzo(a,h)anthracene	120	24	58	31	µg/kg	137.5	NA	62	55	J/UJ-flag, absolute difference > 2x Avg RL
Fluoranthene	660	24	600	31	µg/kg	137.5	10	NA	NA	None, RPD ≤ 50%
Fluorene	33	24	29	J 31	µg/kg	137.5	NA	4	55	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	230	24	180	31	µg/kg	137.5	24	NA	NA	None, RPD ≤ 50%
1-Methylnaphthalene	140	49	67	62	µg/kg	277.5	NA	73	111	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	160	49	99	62	µg/kg	277.5	NA	61	111	None, absolute difference ≤ 2x Avg RL
Naphthalene	120	49	78	62	µg/kg	277.5	NA	42	111	None, absolute difference ≤ 2x Avg RL
Phenanthrene	430	9.7	310	12	µg/kg	54.25	32	NA	NA	None, RPD ≤ 50%
Pyrene	550	24	490	31	µg/kg	137.5	12	NA	NA	None, RPD ≤ 50%

Note: If the analyte was not detected, then the cell was left blank.

µg/kg - micrograms per kilogram

J - Estimated value

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

UJ - Not detected and the limit is estimated

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0509K-CS (680-88767-19)	RL	CV0509K-CSD (680-88767-20)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action	
Acenaphthene		140	68	J	140	µg/kg	700	NA	68	280	None, absolute difference ≤ 2x Avg RL
Acenaphthylene	11	J	55	13	57	µg/kg	280	NA	2	112	None, absolute difference ≤ 2x Avg RL
Anthracene	68	12	120	12	12	µg/kg	60	55	NA	NA	J/UJ-flag, RPD > 50%
Benzo(a)anthracene	370	11	340	11	11	µg/kg	55	8	NA	NA	None, RPD ≤ 50%
Benzo(a)pyrene	250	14	250	15	15	µg/kg	72.5	0	NA	NA	None, RPD ≤ 50%
Benzo(b)fluoranthene	410	17	380	17	17	µg/kg	85	8	NA	NA	None, RPD ≤ 50%
Benzo(g,h,i)perylene	170	28	170	28	28	µg/kg	140	0	NA	NA	None, RPD ≤ 50%
Benzo(k)fluoranthene	220	11	200	11	11	µg/kg	55	10	NA	NA	None, RPD ≤ 50%
Chrysene	380	12	300	13	13	µg/kg	62.5	24	NA	NA	None, RPD ≤ 50%
Dibenzo(a,h)anthracene	60	28	51	28	28	µg/kg	140	NA	9	56	None, absolute difference ≤ 2x Avg RL
Fluoranthene	740	28	790	28	28	µg/kg	140	7	NA	NA	None, RPD ≤ 50%
Fluorene	31	28	64	28	28	µg/kg	140	NA	33	56	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	190	28	160	28	28	µg/kg	140	17	NA	NA	None, RPD ≤ 50%
1-Methylnaphthalene	35	55	36	57	57	µg/kg	280	NA	1	112	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	33	55	37	57	57	µg/kg	280	NA	4	112	None, absolute difference ≤ 2x Avg RL
Naphthalene	49	55	56	57	57	µg/kg	280	NA	7	112	None, absolute difference ≤ 2x Avg RL
Phenanthrene	310	11	570	11	11	µg/kg	55	59	NA	NA	J/UJ-flag, RPD > 50%
Pyrene	630	28	590	28	28	µg/kg	140	7	NA	NA	None, RPD ≤ 50%

Note: If the analyte was not detected, then the cell was left blank.

µg/kg - micrograms per kilogram

J - Estimated value

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

UJ - Not detected and the limit is estimated

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

ATTACHMENT C
CASE NARRATIVE

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88767-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 03/28/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0022A-CS (680-88767-1), CV0022A-CSD (680-88767-2), CV0509AB-GS (680-88767-3), CV0509AC-GS (680-88767-4), CV0509AD-GS (680-88767-5), CV0509AE-GS (680-88767-6), CV0509AF-GS (680-88767-7), CV0509A-CS (680-88767-8), CV0509B-CS (680-88767-9), CV0509C-CS (680-88767-10), CV0509C-CSD (680-88767-11), CV0509D-CS (680-88767-12), CV0509E-CS (680-88767-13), CV0509F-CS (680-88767-14), CV0509G-CS (680-88767-15), CV0509H-CS (680-88767-16), CV0509I-CS (680-88767-17), CV0509J-CS (680-88767-18), CV0509K-CS (680-88767-19) and CV0509K-CSD (680-88767-20) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/02/2013 and 04/03/2013 and analyzed on 04/03/2013 and 04/04/2013.

Samples CV0509AB-GS (680-88767-3)[4X], CV0509D-CS (680-88767-12)[4X], CV0509E-CS (680-88767-13)[4X] and CV0509H-CS (680-88767-16)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the SVOAs analyses.

All quality control parameters were within the acceptance limits.

ATTACHMENT D
QUALIFIED SAMPLE RESULTS

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-1
SDG: 68088767-1

Client Sample ID: CV0022A-CS

Date Collected: 03/26/13 09:00

Date Received: 03/28/13 09:37

Lab Sample ID: 680-88767-1

Matrix: Solid

Percent Solids: 58.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	70	J	170	33	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Acenaphthylene	48	J	67	8.3	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Anthracene	150	J	14	7.0	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Benzo[a]anthracene	520	J	13	6.5	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Benzo[a]pyrene	460	J	17	8.7	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Benzo[b]fluoranthene	720	J	20	10	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Benzo[g,h,i]perylene	270	J	33	7.3	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Benzo[k]fluoranthene	340	J	13	6.0	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Chrysene	600	J	15	7.5	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Dibenz(a,h)anthracene	94	J	33	6.8	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Fluoranthene	1000	J	33	6.7	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Fluorene	40	J	33	6.8	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Indeno[1,2,3-cd]pyrene	280	J	33	12	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
1-Methylnaphthalene	120	J	67	7.3	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
2-Methylnaphthalene	140	J	67	12	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Naphthalene	180	J	67	7.3	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Phenanthrene	680	J	13	6.5	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Pyrene	950	J	33	6.2	ug/Kg	☆	04/02/13 11:33	04/03/13 18:37	1
Surrogate	%Recovery	Qualifier	Limits						
o-Terphenyl	61		30 - 130						
							Prepared	Analyzed	Dil Fac
							04/02/13 11:33	04/03/13 18:37	1

Client Sample ID: CV0022A-CSD

Date Collected: 03/26/13 09:00

Date Received: 03/28/13 09:37

Lab Sample ID: 680-88767-2

Matrix: Solid

Percent Solids: 60.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	80	J	160	33	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Acenaphthylene	76	J	66	8.2	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Anthracene	290	J	14	6.9	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Benzo[a]anthracene	890	J	13	6.4	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Benzo[a]pyrene	780	J	17	8.6	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Benzo[b]fluoranthene	1400	J	20	10	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Benzo[g,h,i]perylene	530	J	33	7.3	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Benzo[k]fluoranthene	460	J	13	5.9	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Chrysene	820	J	15	7.4	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Dibenz(a,h)anthracene	140	J	33	6.8	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Fluoranthene	1800	J	33	6.6	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Fluorene	110	J	33	6.8	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Indeno[1,2,3-cd]pyrene	500	J	33	12	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
1-Methylnaphthalene	230	J	66	7.3	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
2-Methylnaphthalene	240	J	66	12	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Naphthalene	240	J	66	7.3	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Phenanthrene	1300	J	13	6.4	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Pyrene	1400	J	33	6.1	ug/Kg	☆	04/02/13 11:33	04/03/13 18:55	1
Surrogate	%Recovery	Qualifier	Limits						
o-Terphenyl	70		30 - 130						
							Prepared	Analyzed	Dil Fac
							04/02/13 11:33	04/03/13 18:55	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-1
SDG: 68088767-1

Client Sample ID: CV0509AB-GS

Lab Sample ID: 680-88767-3

Date Collected: 03/26/13 09:50

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 73.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	540	U	540	110	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Acenaphthylene	56	J	220	27	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Anthracene	190		46	23	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Benzo[a]anthracene	600		43	21	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Benzo[a]pyrene	440	J	56	28	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Benzo[b]fluoranthene	760	J	66	33	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Benzo[g,h,i]perylene	290		110	24	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Benzo[k]fluoranthene	260		43	20	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Chrysene	720	J	49	24	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Dibenz(a,h)anthracene	130		110	22	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Fluoranthene	1200		110	22	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Fluorene	150		110	22	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Indeno[1,2,3-cd]pyrene	270		110	39	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
1-Methylnaphthalene	150	J	220	24	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
2-Methylnaphthalene	140	J	220	39	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Naphthalene	140	J	220	24	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Phenanthrene	900		43	21	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4
Pyrene	980	J	110	20	ug/Kg	☆	04/02/13 11:33	04/03/13 19:13	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		30 - 130	04/02/13 11:33	04/03/13 19:13	4

Client Sample ID: CV0509AC-GS

Lab Sample ID: 680-88767-4

Date Collected: 03/26/13 09:52

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 77.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	68	J	130	26	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Acenaphthylene	40	J	53	6.6	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Anthracene	170		11	5.6	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Benzo[a]anthracene	710		11	5.2	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Benzo[a]pyrene	600	J	14	6.9	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Benzo[b]fluoranthene	1000	J	16	8.1	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Benzo[g,h,i]perylene	430		26	5.8	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Benzo[k]fluoranthene	350		11	4.8	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Chrysene	660	J	12	6.0	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Dibenz(a,h)anthracene	110		26	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Fluoranthene	1400		26	5.3	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Fluorene	74		26	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Indeno[1,2,3-cd]pyrene	360		26	9.4	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
1-Methylnaphthalene	120		53	5.8	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
2-Methylnaphthalene	150		53	9.4	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Naphthalene	130		53	5.8	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Phenanthrene	880		11	5.2	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1
Pyrene	1100	J	26	4.9	ug/Kg	☆	04/02/13 11:33	04/03/13 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		30 - 130	04/02/13 11:33	04/03/13 19:32	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-1
SDG: 68088767-1

Client Sample ID: CV0509AD-GS

Lab Sample ID: 680-88767-5

Date Collected: 03/26/13 09:54

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 82.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	24	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Acenaphthylene	6.2	J	49	6.1	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Anthracene	25		10	5.1	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Benzo[a]anthracene	130		9.7	4.7	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Benzo[a]pyrene	86	J	13	6.3	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Benzo[b]fluoranthene	180	J	15	7.4	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Benzo[g,h,i]perylene	100		24	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Benzo[k]fluoranthene	41		9.7	4.4	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Chrysene	180	J	11	5.5	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Dibenz(a,h)anthracene	30		24	5.0	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Fluoranthene	180		24	4.9	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Fluorene	44		24	5.0	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Indeno[1,2,3-cd]pyrene	76		24	8.6	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
1-Methylnaphthalene	170		49	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
2-Methylnaphthalene	250		49	8.6	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Naphthalene	66		49	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Phenanthrene	260		9.7	4.7	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Pyrene	170	J	24	4.5	ug/Kg	☆	04/02/13 11:33	04/03/13 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	74		30 - 130				04/02/13 11:33	04/03/13 19:50	1

Client Sample ID: CV0509AE-GS

Lab Sample ID: 680-88767-6

Date Collected: 03/26/13 10:24

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 72.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	29	J	140	28	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Acenaphthylene	56	U	56	7.1	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Anthracene	54		12	5.9	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Benzo[a]anthracene	150		11	5.5	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Benzo[a]pyrene	86	J	15	7.3	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Benzo[b]fluoranthene	240	J	17	8.6	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Benzo[g,h,i]perylene	110		28	6.2	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Benzo[k]fluoranthene	76		11	5.1	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Chrysene	220	J	13	6.3	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Dibenz(a,h)anthracene	34		28	5.8	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Fluoranthene	410		28	5.6	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Fluorene	45		28	5.8	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Indeno[1,2,3-cd]pyrene	83		28	10	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
1-Methylnaphthalene	68		56	6.2	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
2-Methylnaphthalene	75		56	10	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Naphthalene	100		56	6.2	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Phenanthrene	340		11	5.5	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Pyrene	330	J	28	5.2	ug/Kg	☆	04/02/13 11:33	04/03/13 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	67		30 - 130				04/02/13 11:33	04/03/13 20:08	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-1
SDG: 68088767-1

Client Sample ID: CV0509AF-GS

Lab Sample ID: 680-88767-7

Date Collected: 03/26/13 11:00

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	39	J	120	24	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Acenaphthylene	120		48	6.1	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Anthracene	220		10	5.1	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Benzo[a]anthracene	740		9.7	4.7	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Benzo[a]pyrene	700	J	13	6.3	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Benzo[b]fluoranthene	1300	J	15	7.4	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Benzo[g,h,i]perylene	530		24	5.3	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Benzo[k]fluoranthene	530		9.7	4.4	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Chrysene	780	J	11	5.5	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Dibenz(a,h)anthracene	190		24	5.0	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Fluoranthene	1200		24	4.8	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Fluorene	52		24	5.0	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Indeno[1,2,3-cd]pyrene	510		24	8.6	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
1-Methylnaphthalene	160		48	5.3	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
2-Methylnaphthalene	190		48	8.6	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Naphthalene	170		48	5.3	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Phenanthrene	740		9.7	4.7	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Pyrene	1200	J	24	4.5	ug/Kg	☆	04/02/13 11:33	04/03/13 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	73		30 - 130				04/02/13 11:33	04/03/13 20:27	1

Client Sample ID: CV0509A-CS

Lab Sample ID: 680-88767-8

Date Collected: 03/26/13 08:58

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 82.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	25	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Acenaphthylene	32	J	49	6.1	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Anthracene	83		10	5.1	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Benzo[a]anthracene	430		9.8	4.8	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Benzo[a]pyrene	410	J	13	6.4	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Benzo[b]fluoranthene	700	J	15	7.5	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Benzo[g,h,i]perylene	340		25	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Benzo[k]fluoranthene	210		9.8	4.4	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Chrysene	450	J	11	5.5	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Dibenz(a,h)anthracene	99		25	5.0	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Fluoranthene	730		25	4.9	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Fluorene	40		25	5.0	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Indeno[1,2,3-cd]pyrene	230		25	8.7	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
1-Methylnaphthalene	95		49	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
2-Methylnaphthalene	110		49	8.7	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Naphthalene	79		49	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Phenanthrene	450		9.8	4.8	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Pyrene	630	J	25	4.5	ug/Kg	☆	04/02/13 11:33	04/03/13 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	75		30 - 130				04/02/13 11:33	04/03/13 20:45	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-1
SDG: 68088767-1

Client Sample ID: CV0509B-CS

Lab Sample ID: 680-88767-9

Date Collected: 03/26/13 09:14

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Acenaphthylene	13	J	55	6.9	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Anthracene	54		12	5.8	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Benzo[a]anthracene	200		11	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Benzo[a]pyrene	160	J	14	7.2	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Benzo[b]fluoranthene	340	J	17	8.4	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Benzo[g,h,i]perylene	160		28	6.1	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Benzo[k]fluoranthene	100		11	5.0	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Chrysene	280	J	12	6.2	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Dibenz(a,h)anthracene	56		28	5.7	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Fluoranthene	340		28	5.5	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Fluorene	27	J	28	5.7	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Indeno[1,2,3-cd]pyrene	160		28	9.8	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
1-Methylnaphthalene	44	J	55	6.1	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
2-Methylnaphthalene	64		55	9.8	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Naphthalene	70		55	6.1	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Phenanthrene	260		11	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Pyrene	300	J	28	5.1	ug/Kg	☆	04/02/13 11:33	04/03/13 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	71		30 - 130				04/02/13 11:33	04/03/13 21:03	1

Client Sample ID: CV0509C-CS

Lab Sample ID: 680-88767-10

Date Collected: 03/26/13 09:23

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 83.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	24	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Acenaphthylene	65		49	6.1	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Anthracene	98		10	5.1	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Benzo[a]anthracene	460		9.7	4.7	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Benzo[a]pyrene	380	J	13	6.3	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Benzo[b]fluoranthene	760	J	15	7.4	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Benzo[g,h,i]perylene	310		24	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Benzo[k]fluoranthene	270		9.7	4.4	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Chrysene	580	J	11	5.5	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Dibenz(a,h)anthracene	120	J	24	5.0	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Fluoranthene	660		24	4.9	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Fluorene	33		24	5.0	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Indeno[1,2,3-cd]pyrene	230		24	8.6	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
1-Methylnaphthalene	140		49	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
2-Methylnaphthalene	160		49	8.6	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Naphthalene	120		49	5.4	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Phenanthrene	430		9.7	4.7	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Pyrene	550	J	24	4.5	ug/Kg	☆	04/02/13 11:33	04/03/13 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	58		30 - 130				04/02/13 11:33	04/03/13 21:21	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-1
SDG: 68088767-1

Client Sample ID: CV0509C-CSD

Lab Sample ID: 680-88767-11

Date Collected: 03/26/13 09:25

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 64.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	160	U	160	31	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Acenaphthylene	64		62	7.8	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Anthracene	74		13	6.5	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Benzo[a]anthracene	350		12	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Benzo[a]pyrene	260	J	16	8.1	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Benzo[b]fluoranthene	500	J	19	9.5	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Benzo[g,h,i]perylene	190		31	6.9	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Benzo[k]fluoranthene	190		12	5.6	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Chrysene	380	J	14	7.0	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Dibenz(a,h)anthracene	58	J	31	6.4	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Fluoranthene	600		31	6.2	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Fluorene	29	J	31	6.4	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Indeno[1,2,3-cd]pyrene	180		31	11	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
1-Methylnaphthalene	67		62	6.9	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
2-Methylnaphthalene	99		62	11	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Naphthalene	78		62	6.9	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Phenanthrene	310		12	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Pyrene	490	J	31	5.8	ug/Kg	☆	04/03/13 11:18	04/04/13 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	61		30 - 130				04/03/13 11:18	04/04/13 17:38	1

Client Sample ID: CV0509D-CS

Lab Sample ID: 680-88767-12

Date Collected: 03/26/13 09:38

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 66.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	590	U	590	120	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Acenaphthylene	240	U	240	30	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Anthracene	68		50	25	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Benzo[a]anthracene	450		47	23	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Benzo[a]pyrene	330	J	61	31	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Benzo[b]fluoranthene	530	J	72	36	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Benzo[g,h,i]perylene	230		120	26	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Benzo[k]fluoranthene	120		47	21	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Chrysene	360	J	53	27	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Dibenz(a,h)anthracene	62	J	120	24	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Fluoranthene	570		120	24	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Fluorene	120	U	120	24	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Indeno[1,2,3-cd]pyrene	180		120	42	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
1-Methylnaphthalene	190	J	240	26	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
2-Methylnaphthalene	330		240	42	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Naphthalene	140	J	240	26	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Phenanthrene	300		47	23	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Pyrene	470	J	120	22	ug/Kg	☆	04/03/13 11:18	04/04/13 17:57	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	100		30 - 130				04/03/13 11:18	04/04/13 17:57	4

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-1
SDG: 68088767-1

Client Sample ID: CV0509E-CS

Lab Sample ID: 680-88767-13

Date Collected: 03/26/13 09:45

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 79.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	J	500	100	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Acenaphthylene	50	J	200	25	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Anthracene	360		42	21	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Benzo[a]anthracene	1200		40	20	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Benzo[a]pyrene	830	J	52	26	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Benzo[b]fluoranthene	1400	J	61	31	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Benzo[g,h,i]perylene	580		100	22	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Benzo[k]fluoranthene	590		40	18	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Chrysene	1100	J	45	23	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Dibenz(a,h)anthracene	180		100	21	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Fluoranthene	2600		100	20	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Fluorene	140		100	21	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Indeno[1,2,3-cd]pyrene	550		100	36	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
1-Methylnaphthalene	91	J	200	22	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
2-Methylnaphthalene	110	J	200	36	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Naphthalene	120	J	200	22	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Phenanthrene	1600		40	20	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Pyrene	2000	J	100	19	ug/Kg	✱	04/03/13 11:18	04/04/13 18:15	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	107		30 - 130				04/03/13 11:18	04/04/13 18:15	4

Client Sample ID: CV0509F-CS

Lab Sample ID: 680-88767-14

Date Collected: 03/26/13 09:55

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 79.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	25	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Acenaphthylene	15	J	50	6.3	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Anthracene	41		11	5.3	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Benzo[a]anthracene	200		10	4.9	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Benzo[a]pyrene	180	J	13	6.6	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Benzo[b]fluoranthene	300	J	15	7.7	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Benzo[g,h,i]perylene	130		25	5.5	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Benzo[k]fluoranthene	110		10	4.5	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Chrysene	210	J	11	5.7	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Dibenz(a,h)anthracene	44		25	5.2	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Fluoranthene	350		25	5.0	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Fluorene	19	J	25	5.2	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Indeno[1,2,3-cd]pyrene	120		25	9.0	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
1-Methylnaphthalene	37	J	50	5.5	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
2-Methylnaphthalene	50		50	9.0	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Naphthalene	45	J	50	5.5	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Phenanthrene	230		10	4.9	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Pyrene	320	J	25	4.7	ug/Kg	✱	04/03/13 11:18	04/04/13 18:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	77		30 - 130				04/03/13 11:18	04/04/13 18:34	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-1
SDG: 68088767-1

Client Sample ID: CV0509G-CS

Lab Sample ID: 680-88767-15

Date Collected: 03/26/13 09:58

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Acenaphthylene	18	J	57	7.1	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Anthracene	28		12	6.0	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Benzo[a]anthracene	200		11	5.6	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Benzo[a]pyrene	130	J	15	7.4	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Benzo[b]fluoranthene	180	J	17	8.7	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Benzo[g,h,i]perylene	85		28	6.3	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Benzo[k]fluoranthene	86		11	5.1	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Chrysene	190	J	13	6.4	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Dibenz(a,h)anthracene	28		28	5.8	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Fluoranthene	180		28	5.7	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Fluorene	8.3	J	28	5.8	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Indeno[1,2,3-cd]pyrene	87		28	10	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
1-Methylnaphthalene	20	J	57	6.3	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
2-Methylnaphthalene	23	J	57	10	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Naphthalene	37	J	57	6.3	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Phenanthrene	77		11	5.6	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Pyrene	190	J	28	5.3	ug/Kg	☆	04/03/13 11:18	04/04/13 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	57		30 - 130				04/03/13 11:18	04/04/13 19:29	1

Client Sample ID: CV0509H-CS

Lab Sample ID: 680-88767-16

Date Collected: 03/26/13 10:05

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 81.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	J	490	98	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Acenaphthylene	79	J	200	25	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Anthracene	280		41	21	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Benzo[a]anthracene	1100		39	19	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Benzo[a]pyrene	840	J	51	26	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Benzo[b]fluoranthene	1400	J	60	30	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Benzo[g,h,i]perylene	570		98	22	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Benzo[k]fluoranthene	510		39	18	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Chrysene	990	J	44	22	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Dibenz(a,h)anthracene	120		98	20	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Fluoranthene	1900		98	20	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Fluorene	120		98	20	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Indeno[1,2,3-cd]pyrene	560		98	35	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
1-Methylnaphthalene	140	J	200	22	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
2-Methylnaphthalene	150	J	200	35	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Naphthalene	210		200	22	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Phenanthrene	1400		39	19	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Pyrene	1500	J	98	18	ug/Kg	☆	04/03/13 11:18	04/04/13 19:47	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	107		30 - 130				04/03/13 11:18	04/04/13 19:47	4

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-1
SDG: 68088767-1

Client Sample ID: CV0509I-CS

Date Collected: 03/26/13 10:07

Date Received: 03/28/13 09:37

Lab Sample ID: 680-88767-17

Matrix: Solid

Percent Solids: 59.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	170	U	170	33	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Acenaphthylene	9.8	J	66	8.3	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Anthracene	22		14	7.0	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Benzo[a]anthracene	82		13	6.5	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Benzo[a]pyrene	65	J	17	8.6	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Benzo[b]fluoranthene	110	J	20	10	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Benzo[g,h,i]perylene	46		33	7.3	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Benzo[k]fluoranthene	23		13	6.0	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Chrysene	99	J	15	7.5	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Dibenz(a,h)anthracene	18	J	33	6.8	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Fluoranthene	140		33	6.6	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Fluorene	17	J	33	6.8	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Indeno[1,2,3-cd]pyrene	41		33	12	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
1-Methylnaphthalene	67		66	7.3	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
2-Methylnaphthalene	76		66	12	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Naphthalene	64	J	66	7.3	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Phenanthrene	100		13	6.5	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1
Pyrene	120	J	33	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	74		30 - 130	04/03/13 11:18	04/04/13 20:05	1

Client Sample ID: CV0509J-CS

Date Collected: 03/26/13 10:12

Date Received: 03/28/13 09:37

Lab Sample ID: 680-88767-18

Matrix: Solid

Percent Solids: 65.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	31	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Acenaphthylene	8.4	J	61	7.7	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Anthracene	38		13	6.5	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Benzo[a]anthracene	150		12	6.0	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Benzo[a]pyrene	100	J	16	8.0	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Benzo[b]fluoranthene	180	J	19	9.4	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Benzo[g,h,i]perylene	77		31	6.8	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Benzo[k]fluoranthene	54		12	5.5	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Chrysene	130	J	14	6.9	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Dibenz(a,h)anthracene	26	J	31	6.3	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Fluoranthene	310		31	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Fluorene	19	J	31	6.3	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Indeno[1,2,3-cd]pyrene	62		31	11	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
1-Methylnaphthalene	21	J	61	6.8	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
2-Methylnaphthalene	28	J	61	11	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Naphthalene	42	J	61	6.8	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Phenanthrene	190		12	6.0	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1
Pyrene	220	J	31	5.7	ug/Kg	☆	04/03/13 11:18	04/04/13 20:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		30 - 130	04/03/13 11:18	04/04/13 20:24	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-88767-1
SDG: 68088767-1

Client Sample ID: CV0509K-CS

Lab Sample ID: 680-88767-19

Date Collected: 03/26/13 10:18

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 70.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Acenaphthylene	11	J	55	6.9	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Anthracene	68	J	12	5.8	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Benzo[a]anthracene	370	J	11	5.4	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Benzo[a]pyrene	250	J	14	7.2	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Benzo[b]fluoranthene	410	J	17	8.5	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Benzo[g,h,i]perylene	170	J	28	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Benzo[k]fluoranthene	220	J	11	5.0	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Chrysene	380	J	12	6.2	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Dibenz(a,h)anthracene	60	J	28	5.7	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Fluoranthene	740	J	28	5.5	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Fluorene	31	J	28	5.7	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Indeno[1,2,3-cd]pyrene	190	J	28	9.8	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
1-Methylnaphthalene	35	J	55	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
2-Methylnaphthalene	33	J	55	9.8	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Naphthalene	49	J	55	6.1	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Phenanthrene	310	J	11	5.4	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1
Pyrene	630	J	28	5.1	ug/Kg	☆	04/03/13 11:18	04/04/13 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		30 - 130	04/03/13 11:18	04/04/13 20:42	1

Client Sample ID: CV0509K-CSD

Lab Sample ID: 680-88767-20

Date Collected: 03/26/13 10:20

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 69.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	68	J	140	28	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Acenaphthylene	13	J	57	7.1	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Anthracene	120	J	12	6.0	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Benzo[a]anthracene	340	J	11	5.5	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Benzo[a]pyrene	250	J	15	7.4	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Benzo[b]fluoranthene	380	J	17	8.7	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Benzo[g,h,i]perylene	170	J	28	6.3	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Benzo[k]fluoranthene	200	J	11	5.1	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Chrysene	300	J	13	6.4	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Dibenz(a,h)anthracene	51	J	28	5.8	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Fluoranthene	790	J	28	5.7	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Fluorene	64	J	28	5.8	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Indeno[1,2,3-cd]pyrene	160	J	28	10	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
1-Methylnaphthalene	36	J	57	6.3	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
2-Methylnaphthalene	37	J	57	10	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Naphthalene	56	J	57	6.3	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Phenanthrene	570	J	11	5.5	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1
Pyrene	590	J	28	5.3	ug/Kg	☆	04/03/13 11:18	04/04/13 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		30 - 130	04/03/13 11:18	04/04/13 21:00	1

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Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)